LOCKHEED MARTIN

February 28, 2001

Mr. Gerard J. Thibeault
Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Dear Mr. Thibeault:

In accordance with the approved Water Supply Contingency Plan, enclosed is one copy of the December 2000 Production well sampling report prepared by Earth Tech for Lockheed Martin Corporation. This report presents results from samples collected at Bunker Hill Basin production wells in December of 2000.

Should you have any questions or comments, please contact me at 303.971.1880.

Sincerely,

Stephen Evanott

Manager, Redlands Project

SE:eh

Attachment

c: See distribution

## Distribution List

(Abbreviated Report Without Attachments "A & B" which are available upon request)

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Mr. Gerard J. Thibeault February 27, 2001 Page 3

bc: Gallop, Johnson & Neuman

101 S. Hanley Road St. Louis, MO 63105 Attn: Michael Re

Highland Supply Corporation 1111 sixth Street Highland, IL 62249 Attn: Donald E. Weder

Seven W. Enterprises, Inc. 1500 Crafton Avenue P.O. Box 111 Redlands, CA 92373-1730 Attn: Janet M. Weder Mr. Gerard J. Thibeault February 27, 2001 Page 4

bc: Doug Goins, LMC-Legal

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RED Chron File – RED0201/011 WBS #48 Redlands Repository Reg File February 22, 2001

Lockheed Martin Corporation West Coast Project Office 2550 N. Hollywood Way, 3<sup>rd</sup> Floor Burbank, California 91505

Attention:

Mr. Eric Hodder

**Project Supervisor** 

Subject:

December 2000 Data Report

Water Supply Contingency Plan Production Well Sampling Program Crafton-Redlands Plume Project Telephone

562.951.2000

Facsimile

562.951.2100

### Dear Mr. Hodder:

This report presents a summary of results of the Water Supply Contingency Plan production well sampling for the month of December 2000. The Water Supply Contingency Plan (WSCP) was prepared by Lockheed Martin Corporation and submitted to the State of California Regional Water Quality Control Board (RWQCB) Santa Ana Region on September 30, 1996. The plan was conditionally approved by the RWQCB in a letter dated March 6, 1997. The WSCP for the Crafton-Redlands Plume was prepared to address maintenance of water supply to purveyors in the event that wells became impacted with trichloroethene (TCE) from the Crafton-Redlands TCE Plume. A summary of key dates and WSCP sampling program evolution is provided on Table 1.

The locations of the WSCP wells and analytical results for the December 2000 sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively. Table 2 presents a summary of analytical tests performed on each WSCP well and water system sampling point. The sampling frequency of each well is once a month for the first year. More frequent sampling, if required, is based on the analytical results as outlined in the WSCP TCE and perchlorate decision matrices, provided as Figures 3 and 4, respectively. The perchlorate decision matrix was presented in the Perchlorate Work Plan and Schedule, which was submitted to the RWQCB on August 15, 1997. The RWQCB approved the Perchlorate Work Plan on October 31, 1997. Table 3 presents a summary of the wells sampled twice monthly according to the decision matrices.



### RESULTS

Summaries of the analytical results for the December 2000 WSCP sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively, and presented on Table 4. Available groundwater elevation data are provided on Table 5. The water sampling field forms are provided in Attachment A. Chain-of-custody, laboratory data sheets, and Level III laboratory quality assurance/quality control (QA/QC) documentation are provided in Attachment B.

## Trichloroethene

Three groundwater samples collected in December met or exceeded  $2/5^{th}$  the MCL for TCE (i.e., were greater than or equal to  $2.0~\mu g/L$ ) including: Gage 26-1 (6.2  $\mu g/L$ ), Gage 27-1 (4.2  $\mu g/L$ ) and Gage 29-2 (2.9  $\mu g/L$ ). The TCE impacts at Gage 26-1, Gage 27-1, Gage 29-2 and Gage 29-3 are partially attributed to the Norton AFB plume and partially attributed to the Crafton Redlands plume.

Richardson #1 was activated for sampling only. The purge water from Richardson #1 was pumped to waste, and not into the system. TCE was detected in Richardson #1 at 1.7  $\mu g/L$ .

Gage 26-1 and Gage 27-1 were placed into TCE treatment in May 1999; TCE treatment was installed at Gage 29-2, Gage 29-3, and Gage 92-1 in February 2000. Therefore, these five wells will be sampled once a month for TCE when active.

Three additional WSCP wells have now measured TCE concentrations averaging less than one-fifth of the MCL (i.e., Mountain View #3, Gage 31-1 and Gage 98-1 had concentrations  $< 1.0 \,\mu\text{g/L}$ ) over the past 12 months. According to the decision matrix for sampling TCE (Figure 3), the sampling frequency for these wells may now be changed from monthly to quarterly. The next sampling event for the following three wells will be in January 2001. This brings the total number of wells on quarterly TCE sampling to 15 (see Table 2).

### Perchlorate

In the December WSCP sampling, perchlorate was detected at or above 75 percent of the PAL (i.e., greater than or equal to13.5  $\mu$ g/L) in Richardson #1 (22  $\mu$ g/L), Gage 29-2 (22  $\mu$ g/L), Gage 51-1 (30  $\mu$ g/L) and Gage 92-1 (20  $\mu$ g/L).

Gage 26-1, Gage 29-2, Gage 29-3, Gage 51-1, Gage 92-1 and COLL Richardson #1 wells are currently being sampled twice a month for perchlorate, if active.

Richardson #1 was activated for sampling only. The purge water from Richardson #1 was pumped to waste, and not into the system.

Mountain View #3, Gage 31-1 and Gage 98-1 have now had measured perchlorate concentrations averaging less than one-quarter of the PAL (i.e., < 4.5 µg/L) over the past 12 months. According to the decision matrix for sampling perchlorate (Figure 4), the sampling frequency for these wells may now be changed from monthly to quarterly. The next sampling event for these wells will be in January 2001. This brings the total number of wells on quarterly perchlorate sampling to 13 (see Table 2).

## **CLOSING**

Earth Tech greatly appreciates being of continued service to Lockheed Martin Corporation on this project. Should you have any questions or comments, please do not hesitate to call.

Sincerely, Earth Tech

Eric Peterson, P.E.

**Program Director** 

Matthew Werner, R.G., C.E.G., C.H.

Project Manager

**TABLES** 

#### TABLE 1

### KEY PROJECT DATES AND WSCP SAMPLING PROGRAM EVOLUTION

August 2, 1996, the RWQCB – Santa Ana Region requested Lockheed Martin to submit a conceptual Water Supply Contingency Plan.

September 30, 1996, Lockheed Martin submitted the Water Supply Contingency Plan (WSCP) to the RWQCB – Santa Ana Region.

March 6, 1997, the RWQCB conditionally approved the WSCP, which included sampling eight production wells (City of Loma Linda Richardson #1, Richardson #2, Mountain View #1, Mountain View #2, Victoria Farms Mutual Water Company Wells #1 and #3, and Southern California Edison #1 and #2).

June 1997, Victoria Farms Mutual Water Company was connected of City of San Bernardino Water. Pumping ceased at VFMWC #1 and #3, and the two wells were removed from the program.

June 1997, sampling of SCE #1 was discontinued because it is not operated on a regular basis. The WSCP consists of five wells, including COLL Mountain View #1 and #2, COLL Richardson #1 and #2, and SCE #2 (AUX).

August 1997, the WSCP was expanded due to the detection of perchlorate in municipal supply wells in the Bunker Hill Basin. Twenty-six wells were added to the WSCP including nineteen City of Riverside wells, five City of Redlands wells, and two Loma Linda University wells, for a total of 31 wells.

October 1997, three City of Riverside water system sampling points were added to the WSCP, including the Gage system pipeline (Gage Delivery), the Waterman system pipeline (Iowa Booster), and the sampling station measuring outflow from the Linden and Evans Reservoirs (7<sup>th</sup> & Chicago).

March 1998, two City of Loma Linda water system sampling points were added to the WSCP, including the Mountain View system pipeline (Mountain View Blend at Lawton) and the Richardson system pipeline (Richardson Blend).

June 1998, one City of Riverside irrigation water system sampling point (Gage Arlington) and one additional City of Loma Linda water system sampling point (Mountain View Blend at Timoteo) were added to the WSCP.

December 1998, the COLL Richardson #3 well was added to the WSCP Sampling Program.

May 1999, Sampling of Mountain View Blend at Timoteo was discontinued because it does not represent a blend sample of the Mountain View pipeline system.

December 1999, the COLL Mountain View #3 well and the Gage 98-1 well were added to the WSCP Sampling Program

February 2000, the COLL Richardson #2 well was decommissioned, and therefore removed from the WSCP Sampling Program.

May 2000, Mountain View #2 was decommissioned, and therefore removed from the WSCP Sampling Program.

October 2000, COLL Mountain View #4 and COLL Richardson #4 were added to the WSCP Sampling Program.

TABLE 2
WSCP PRODUCTION WELL SAMPLING PROGRAM

Well Number	Well Name	Perchlorate	TCE
City of Loma Lind	<u> </u>		
3106	Mountain View #3	Quarterly	Quarterly
3171	Mountain View #4	Monthly	Monthly
693	Richardson #1	Twice Monthly	Monthly
707	Richardson #3	Quarterly	Quarterly
3132	Richardson #4	Monthly	Monthly
	a Water System Sampling Points		
2967	Mountain View Blend - Lawton	Monthly	Monthly
2968	Richardson Blend	Monthly	Monthly
Southern Californ	ia Edison		
554	SCE #2 (AUX)	Quarterly	Quarterly
Loma Linda Unive			
267	LL Univ Anderson #2	Monthly	N/A
717	LL Univ Anderson #3	Monthly	N/A
City of Riverside (			
252	Gage #26-1	Monthly	Monthly
258	Gage #27-1	Monthly	Monthly
259	Gage #27-2	Monthly	Quarterly
260	Gage #29-1	Monthly	Quarterly
219	Gage #29-2	Twice Monthly	Monthly
220	Gage #29-3	Twice Monthly	Monthly
218	Gage #30-1	Quarterly	Quarterly
214	Gage #31-1	Quarterly	Quarterly
215	Gage #46-1	Monthly	Quarterly
253	Gage #51-1	Twice Monthly	Quarterly
216	Gage #56-1	Quarterly	Quarterly
257	Gage #66-1	Monthly	Quarterly
644	Gage #92-1	Twice Monthly	Monthly
641	Gage #92-2	Quarterly	Quarterly
642	Gage #92-3	Quarterly	Quarterly
3091	Gage #98-1	Quarterly	Quarterly
City of Riverside	(Waterman System)		
273	Hunt #6	Monthly	N/A
271	Hunt #10	Monthly	N/A
272	Hunt #11	Monthly	N/A
City of Riverside	Water System Sampling Points		
2946	Iowa Booster (Waterman)	Monthly	Monthly
2947	Gage Delivery (Gage)	Monthly	Monthly
2948	7th & Chicago (Reservoir)	Monthly	Monthly
3018	Gage Arlington	Monthly	N/A
City of Redlands			
542	COR Church St	Quarterly	N/A
2673	COR #38	Quarterly	N/A
535	COR Mentone Acres	Quarterly	N/A
29	COR Orange St	Quarterly	N/A
74	COR Rees	Monthly	Quarterly
Notes:			

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 3

# WSCP PRODUCTION WELL SAMPLING PROGRAM DECEMBER 2000 WELLS SAMPLED TWICE MONTHLY

Well Number	Well Name	Perchlorate	TCE
City of Loma Lin	da	`	
692	Richardson #1	×	
City of Riverside	(Gage System)		
252	Gage #26-1	X	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
219	Gage #29-2	X	
220	Gage #29-3	X	
253	Gage #51-1	X	
644	Gage #92-1	X	

## Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

## WSCP PRODUCTION WELL SAMPLING PROGRAM DECEMBER 2000 DATA RESULTS

Well Number	Well Name		Perchlorate (ug/L)	TCE (ug/L)
		Sample Date	Del Mar	Del Mar
City of Loma Lind	a			
3106	Mountain View #3	12/5/00	ND (4.0)	NĎ (0.5)
3171	Mountain View #4	12/5/00	ND (4.0)	ND (0.5)
693	Richardson #1 <sup>c</sup>	12/5/00	22	1.7
693	Richardson #1 <sup>c</sup>	12/18/00	22	NA NA
707	Richardson #3ª	NS	NS	NS
3132	Richardson #4	12/5/00	ND (4.0)	ND (0.5)
3132	Richardson #4 (Duplicate)	12/5/00	ND (4.0)	ND (0,5)
	a Water System Sampling Points	1 1818188		
2967	Mountain View Blend - Lawton	12/5/00	ND (4.0)	ND (0.5)
2968	Richardson Blend ower (Formerly Southern California Ed	12/5/00	ND (4.0)	ND (0.5)
554	SCE #2 (AUX) <sup>a</sup>		T No	NS
oma Linda Unive	1	NS NS	l NS	INS
267	LL Univ Anderson #2	12/5/00	ND (4.0)	NA NA
717	LL Univ Anderson #3	12/5/00	ND (4.0)	NA NA
City of Riverside			<u> </u>	
252	Gage #26-1 <sup>b</sup>	12/1/00	12	5.3
252	Gage #26-1 <sup>b</sup> (Duplicate)	12/1/00	12	6,2
252	Gage #26-1 <sup>b</sup>	12/18/00	11	NA*
258	Gage #27-1 <sup>b</sup>	12/1/00	7.6	4.2
259	Gage #27-2	12/1/00	11	ND (0.5)
260	Gage #29-1	12/1/00	9.7	NA <sup>a</sup>
219	Gage #29-2 <sup>b</sup>	12/1/00	22	2.9
219	Gage #29-2 <sup>b</sup>	12/18/00	22	NA NA
220	Gage #29-3 <sup>b</sup>	NS	NS	NS
218	Gage #30-1 <sup>a</sup>	NS	NS	NS
214	Gage #31-1	NS	NS	NS
215	Gage #46-1	NS	NS	NS <sup>a</sup>
253	Gage #51-1 <sup>b</sup>	12/1/00	30	NA <sup>a</sup>
253	Gage #51-1 <sup>b</sup>	12/18/00	30	NA*
253	Gage #51-1 <sup>b</sup> (Duplicate)	12/18/00	30	NA*
216	Gage #56-1 <sup>a</sup>	NS	NS	NS
257	Gage #66-1	12/1/00	13	NA <sup>a</sup>
644	Gage #92-1 <sup>b</sup>	12/1/00	20	1.3
644	Gage #92-1 <sup>b</sup>	12/18/00	16	NA*
641	Gage #92-2ª	NS NS	NS	NS
642	Gage #92-2 Gage #92-3 <sup>a</sup>	NS NS	NS NS	NS NS
3091	Gage #98-1	12/1/00	ND (4.0)	ND (0.5)
	(Waterman System)	121100	1 10 (4.5)	10 (0.07
273	Hunt #6	NS	NS	NS
271	Hunt #10	12/5/00	6.1	NA
272	Hunt #11	NŞ	NS	NS
	Water System Sampling Points			
	Iowa Booster (Waterman)	12/1/00	NĎ (4.0)	ND (0.5)
2947	Gage Delivery (Gage)	12/1/00	8.0	ND (0.5)
2948	7th & Chicago (Reservoir)	12/1/00	5.3	ND (0.5)
3018	Gage Arlington	12/1/00	6.9	NA NA
City of Redlands	Toop of the oil	1	T	NC .
542	COR Church St <sup>a</sup>	NS	NS	NS NS
2673	COR #38ª	NS	NS	NS
535	COR Mentone Acres <sup>a</sup>	NS	NS	NS
29	COR Orange St <sup>a</sup>	NS	NS	NS
74	COR Rees	NS	NS	NS

#### Notes

= Twice-monthly sampling result

ND(4) = Not detected at the specified limit

NA = Not Analyzed

NS = Not Sampled

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified

TCE analyzed using EPA Method 502.2

a = Well sampled on quarterly basis, if active

b = TCE treatment is installed

c =Water purged to waste and not into system

## TABLE 5

## SUMMARY OF WATER LEVEL MEASUREMENTS DECEMBER 2000 SAMPLING EVENT

Well Number	Well Name	Measure Date	Depth to Water	Measuring Point Elevation	Groundwater Elevation	Comments	
City of Loma Line	City of Loma Linda						
3106	Mountain View #3	12/5/00	123	1086	963	Pumping	
3171	Mountain View #4	12/5/00	NM	1106	' NM	Pumping	
693	Richardson #1	12/5/00	184	1077	893	Static	
707	Richardson #3	12/5/00	215	1078.69	863.69	Pumping	
3132	Richardson #4	12/5/00	155	1074	919	Pumping	
Mountian View Po	ower (Formerly Southern Califo	rnía Edison)					
554	SCE #2 (AUX)	NM	NM	1100	NM	Pumping	
Loma Linda Univ	ersity						
267	LL Univ Anderson #2	NM	NM	1075	NM	Pumping	
717	LL Univ Anderson #3	NM	NM	1070	NM	Pumping	
City of Riverside	(Gage System)			<u> </u>	<del></del>		
252	Gage #26-1	12/5/00	100.20	1045.33	945.13	Pumping	
258	Gage #27-1	12/5/00	94.00	1044.64	950.64	Pumping	
259	Gage #27-2	12/5/00	85.50	1044.64	959.14	Pumping	
260	Gage #29-1	12/5/00	94.20	1044.43	950.23	Pumping	
219	Gage #29-2	12/5/00	88.70	1046.31	957.61	Pumping	
220	Gage #29-3	12/5/00	84.40	1048.75	964.35	Static	
218	Gage #30-1	12/5/00	164.80	1054.17	889.37	Static	
214	Gage #31-1	12/5/00	107.70	1054.64	946.94	Static	
215	Gage #46-1	12/5/00	106.30	1065.5	959.2	Static	
253	Gage #51-1	12/5/00	143.30	1044.64	901.34	Pumping	
216	Gage #56-1	12/5/00	199.40	1065.5	866.1	Pumping	
257	Gage #66-1	12/5/00	143.60	1044.85	901.25	Pumping	
644	Gage #92-1	12/5/00	173.80	1047.78	873.98	Pumping	
641	Gage #92-2	12/5/00	200.30	1053.38	853.08	Pumping	
642	Gage #92-3	12/5/00	200.80	1058.78	857.98	Pumping	
3091	Gage #98-1	12/5/00	192.80	1058.78	865.98	Pumping	
City of Riverside	(Waterman System)		······································				
273	Hunt #6	12/5/00	NM	1015.5	NM	Static	
271	Hunt #10	12/5/00	NM	1017	NM	Pumping	
272	Hunt #11	12/5/00	NM	1015.7	NM	Static	
City of Redlands							
542	COR Church St	NM	NM	1344.8	NM	Static	
2673	COR #38	NM	NM	1193	NM	Static	
535	COR Mentone Acres	NM	NM	1506.4	NM	Static	
29	Cor Orange St	NM	NM	1282	NM	Static	
74	COR Rees	NM	NM	1490	NM	Static	

#### Notes

All measurements reported in feet below measuring point (ft-bmp)

Water level measurements for all City of Loma Linda, City of Riverside, and City of Redlands wells were obtained by purveyor personnel.

Elevations given in feet above mean sea level (ft-msl)

NM = Not measured

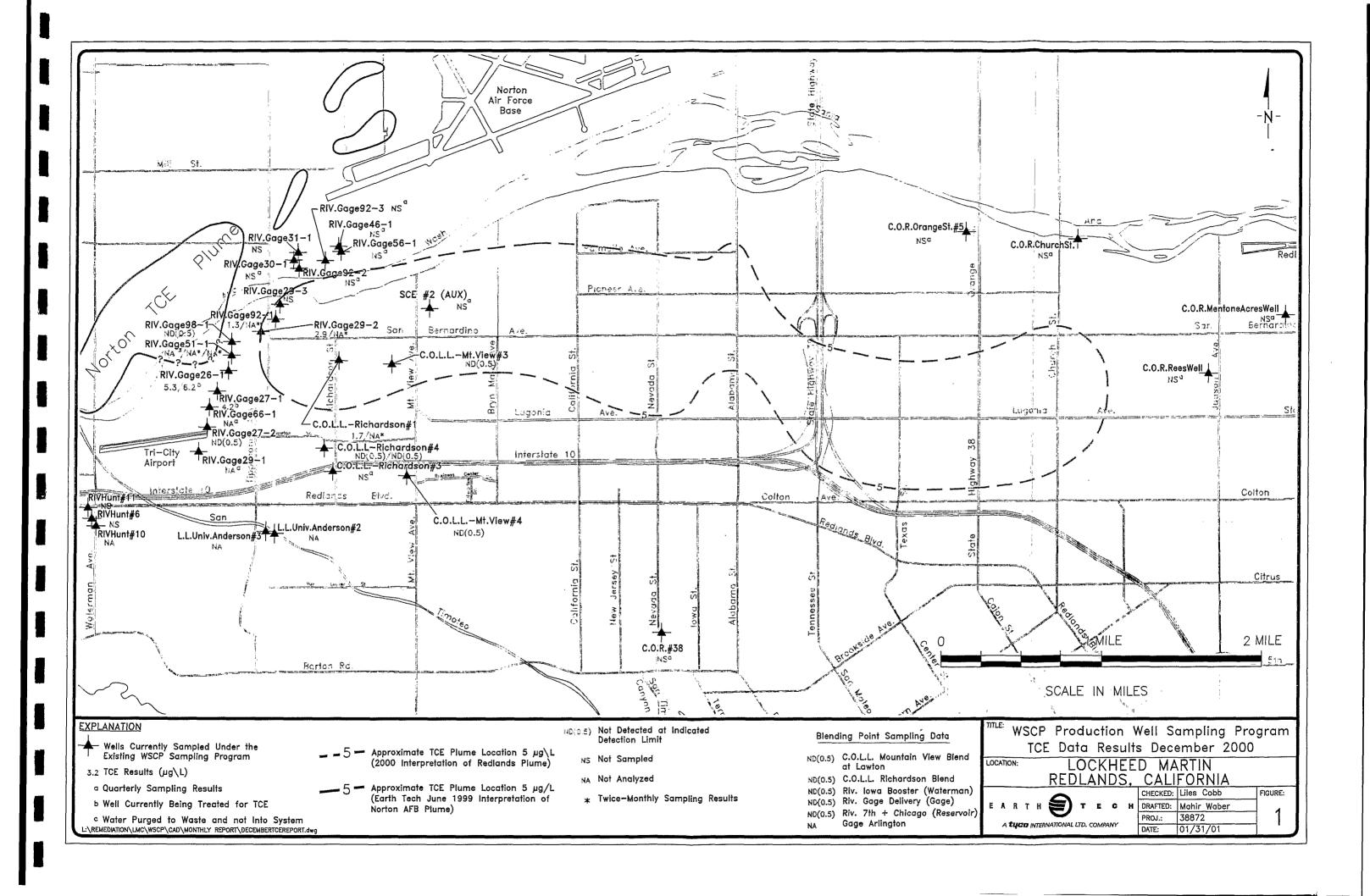
NA ≈ Data not available

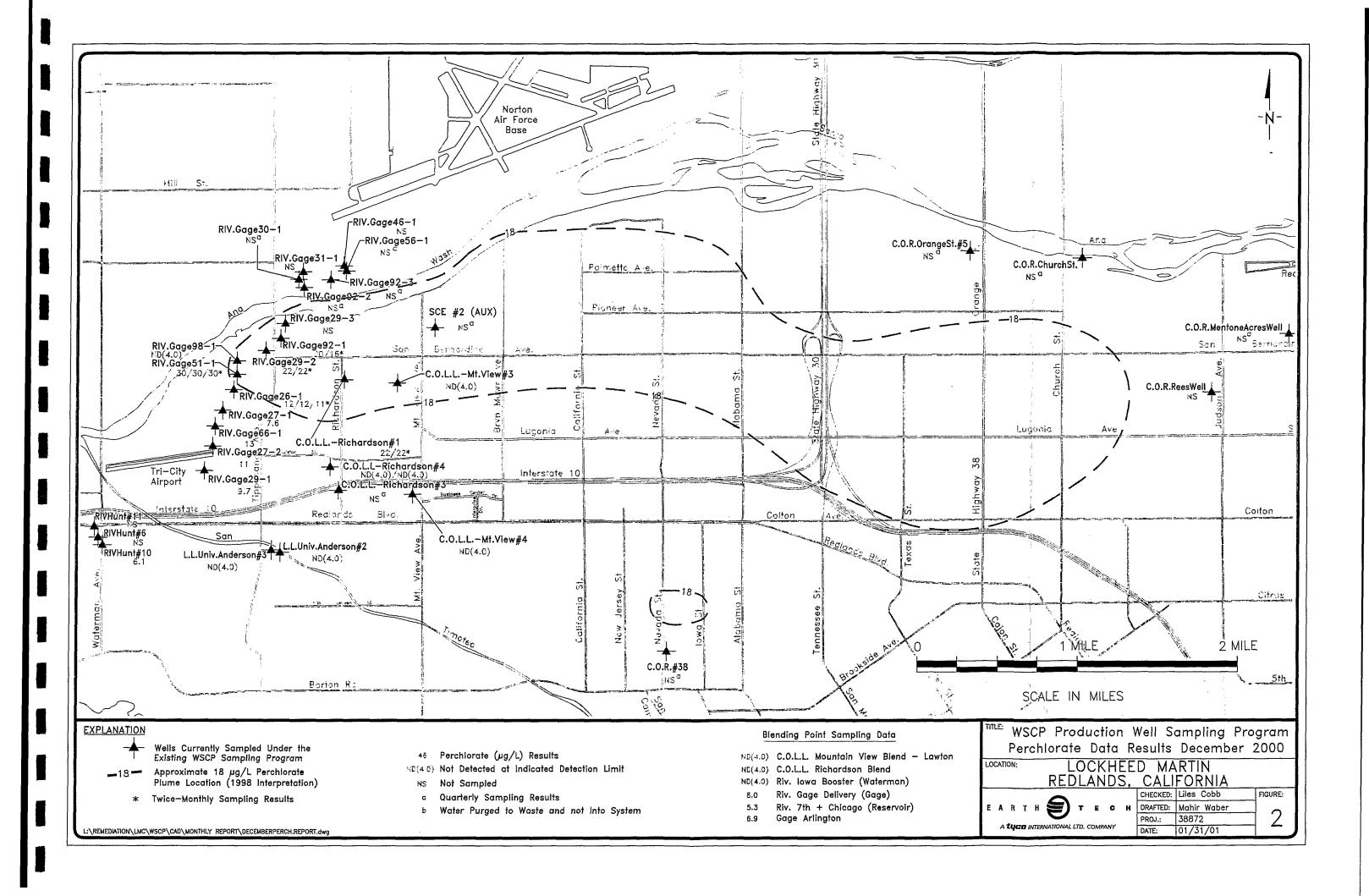
Static water levels were allowed to recover a minimum of 30 minutes to obtain a static water level measurement

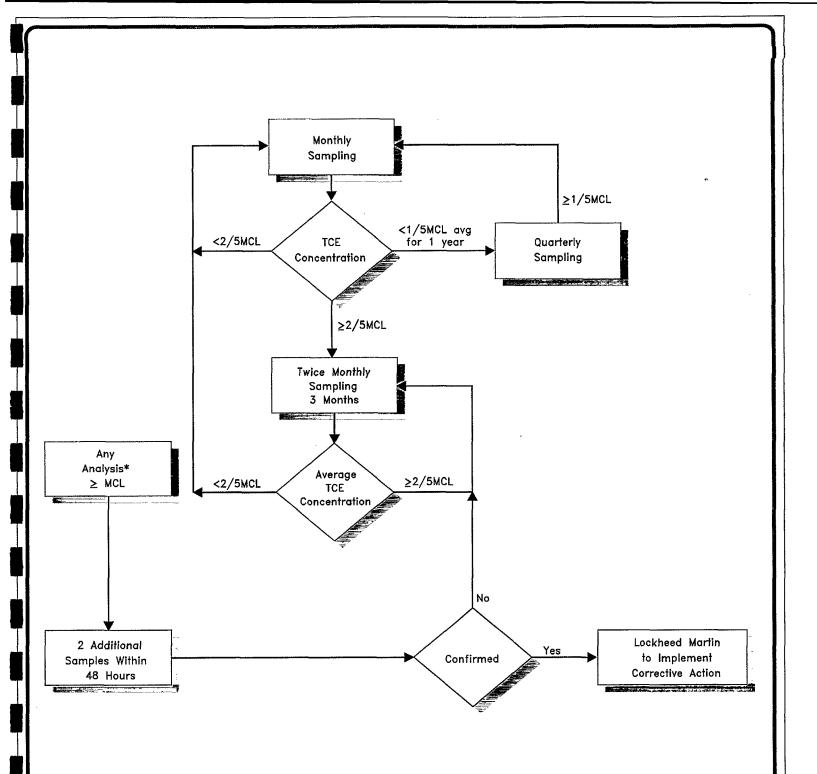
TABLE 6
WSCP PRODUCTION WELL SAMPLING PROGRAM
DECEMBER 2000 SAMPLE IDENTIFICATIONS

Well Number	Well Name		Sample	Sample Number	Analyzed for	Analyzed for
		Sample Date	Time	Identification	Perchlorate	TCE
ity of Loma Lind	<u>a</u>		······································	······································	······································	<u> </u>
3106	Mountain View #3	12/5/00	10:15	GW-12-16	Yes	Yes
3171	Mountain View #4	12/5/00	12:25	GW-12-21	Yes	Yes
693	Richardson #1	12/5/00	9:45	GW-12-15	Yes	Yes
693	Richardson #1	12/18/00	9:50	GW-12-27	Yes	No
707	Richardson #3	NS	NS	NS	NS	NS
3132	Richardson #4	12/5/00	10:40	GW-12-17	Yes	Yes
3132	Richardson #4 (Dup)	12/5/00	10:45	GW-12-18	Yes	Yes
	a Water System Sampling Points		***************************************			
2967	Mountain View Blend - Lawton	12/5/00	11:40	GW-12-20	Yes	Yes
2968	Richardson Blend	12/5/00	11:20	GW-12-19	Yes	Yes
	ower (Formerly Southern California E			<u> </u>		
554	SCE #2 (AUX)	NS I	NŠ	NS I	NŜ	NS NS
oma Linda Unive						
267	ILL Univ Anderson #2	12/5/00	14:20	GW-12-22	Yes	l NA
717	LL Univ Anderson #3	12/5/00	14:35	GW-12-23	Yes	NA NA
ity of Riverside						<u> </u>
252	Gage #26-1	12/1/00	11:20	GW-12-4	Yes	Yes
252	Gage #26-1 (Duplicate)	12/1/00	11:25	GW-12-5	Yes	Yes
252	Gage #26-1	12/18/00	13:45	GW-12-30	Yes	No
258	Gage #27-1	12/1/00	12:25	GW-12-7	Yes	Yes
259	Gage #27-2	12/1/00	13:50	GW-12-9	Yes	Yes
260	Gage #29-1	12/1/00	14:15	GW-12-10	Yes	No
219	Gage #29-2	12/1/00	10:30	GW-12-10	Yes	Yes
219	Gage #29-2	12/18/00	9:20	GW-12-26	Yes	No
220	Gage #29-3	NS	NS NS	NS NS	NS NS	NS
218	Gage #30-1	NS NS	NS	NS NS	NS NS	NS NS
214	Gage #31-1	NS NS	NS	NS NS		NS NS
215		NS NS	NS NS	NS NS	NS	NS NS
253	Gage #46-1				NS	
	Gage #51-1	12/1/00	11:50	GW-12-6	Yes	No
253	Gage #51-1	12/18/00	13:15	GW-12-28	Yes	No
253	Gage #51-1 (Duplicate)	12/18/00	13:20	GW-12-29	Yes	No
216	Gage #56-1	NS	NS	NS	NS	NS
257	Gage #66-1	12/1/00	13:25	GW-12-8	Yes	Yes
644	Gage #92-1	12/1/00	9:45	GW-12-1	Yes	Yes
644	Gage #92-1	12/18/00	8:55	GW-12-25	Yes	No
641	Gage #92-2	NS	NS	NS	NS	NS
642	Gage #92-3	NS	NS	NS	NS	NS
3091	Gage #98-1	12/1/00	10:55	GW-12-3	Yes	Yes
	(Waterman System)					
273	Hunt #6	NS	NS	NŠ	NS	NS
271	Hunt #10	12/5/00	15:00	GW-12-24	Yes	NA NA
272	Hunt #11	NS	NS	NS	NS	NS
	Water System Sampling Points					
2946	lowa Booster (Waterman)	12/1/00	15:35	GW-12-11	Yes	Yes
2947	Gage Delivery (Gage)	12/1/00	16:20	GW-12-12	Yes	Yes
2948	7th & Chicago (Reservoir)	12/1/00	16:40	GW-12-13	Yes	Yes
3018	Gage Arlington	12/1/00	17:00	GW-12-14	Yes	NA
ity of Redlands				· · · · · · · · · · · · · · · · · · ·		
542	COR Church St	NS	NS	NS	NS	NŠ
2673	COR #38	NS	NS	NS	NS	NA
535	COR Mentone Acres	NS	NS	NS	NS	NA
29	COR Orange St	NS	NS	NS	NS	NA NA
74	COR Rees	NS	NS	NS NS	NS	NS

**FIGURES** 







### Footnote:

\* If, at a specific well, blending is occurring to provide acceptable water for compounds other than TCE, then no corrective action may be necessary as long as the concentration of TCE is less than 5.0  $\mu g/L$  in the finished water.

TCE MCL = 5  $\mu$ g/L (California Regulations, Title 22, Division 4, Chapter 15, Section 64444)

L:\REMEDIATION\LMC\WSCP\CAD\TCEMATRIXFIG-3.dwg

Decision Matrix for Sampling of Production
Wells for TCE from the Crafton—Rediands Plume

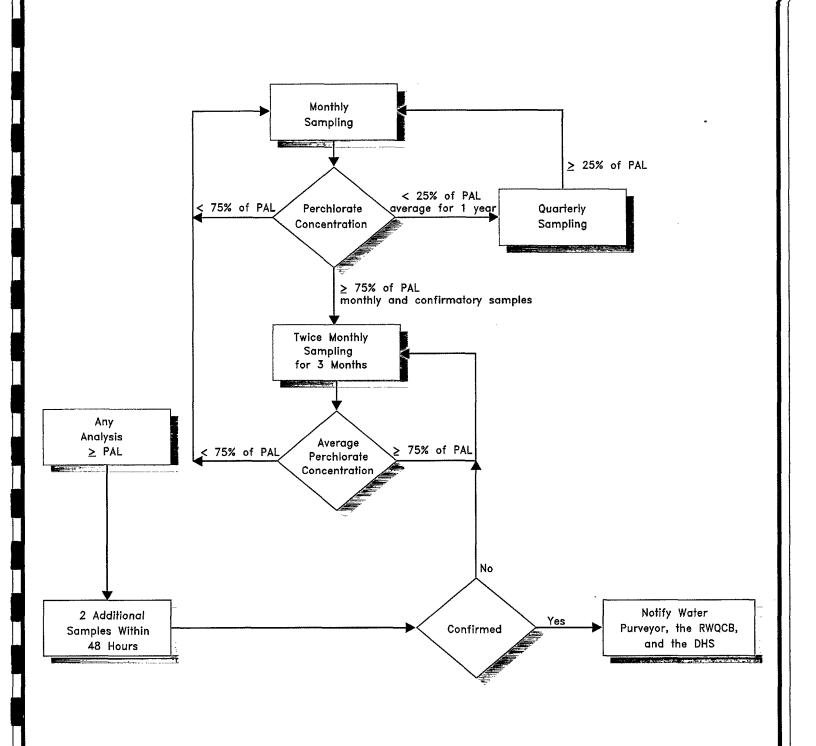
LOCKHEED MARTIN REDLANDS, CALIFORNIA

E A R T H T E C

A **tyco** International Ltd. Company

CHECKED:	Liles Cobb
DRAFTED:	Lee Mehr
PROJ.:	38872
DATE:	04/28/00

FIGURE:



## Footnote:

Perchlorate Provisional Action Level (PAL) = 18  $\mu$ g/L (California Department of Health Services, May 1997)

Decision Matrix for Sampling
Production Wells for Perchlorate

LOCATION:

LOCKHEED MARTIN REDLANDS, CALIFORNIA

EARTH



A **typo** international LTD. COMPANY

CHECKED:	Liles Cobb	FIGURE:
DRAFTED:	Lee Mehr	
	38872	4
DATE:	04/28/00	·

L:\REMEDIATION\LMC\WSCP\CAD\PERCH.MATRIXFIG-4.dwg

ATTACHMENT A

FIELD SAMPLE FORMS (Available Upon Request)

## ATTACHMENT B

CHAIN-OF-CUSTODY RECORDS AND
LABORATORY DATA SHEETS AND LEVEL III MODIFIED
QUALITY ASSURANCE/QUALITY CONTROL DOCUMENTATION
(Available Upon Request)